VPDES PERMIT NUMBER: VA GO68314 FACILITY NAME: VPDES SEWAGE SLUDGE PERMIT APPLICATION FORM

	TARABLE A PROPERTY OF
CUDILINING	INFORMATION

This application is divided into sections. Sections A pertain to all applicants. The applicability of Sections B, C and D depend on your facility's sewage sludge use or disposal practices. The information provided on this page will help you

determin	ne which sections to fill out.		
1.	All applicants must complete Section A (General Information).		
2.	Will this facility generate sewage sludge? Yes _No		
	Will this facility derive a material from sewage sludge?YesNo		
	If you answered Yes to either, complete Section B (Generation Of Sewage Sludge Or Preparation Of A Material Derived From Sewage Sludge).		
3.	Will this facility apply sewage sludge to the land?YesNo		
	Will sewage sludge from this facility be applied to the land? Yes No		
	If you answered No to both questions above, skip Section C.		
	If you answered Yes to either, answer the following three questions:		
	a. Will the sewage sludge from this facility meet the ceiling concentrations, pollutant concentrations, Class a pathogen reduction requirements and one of the vector attraction reduction requirements 1-8, as identified in the instructions? YesNo		
	b. Will sewage sludge from this facility be placed in a bag or other container for sale or give-away for application to the land?YesNo		
	c. Will sewage sludge from this facility be sent to another facility for treatment or blending?YesNo		
	If you answered No to all three, complete Section C (Land Application Of Bulk Sewage Sludge).		
	If you answered Yes to a, b or c, skip Section C.		
4.	Do you own or operate a surface disposal site?YesNo		
	If Yes, complete Section D (Surface Disposal).		

FACILITY NAME: Ruspsody Industry Park VPDES PERMIT NUMBER: VACOBES 4

All applicants must complete this section.

a. Featily hame: Contact person: Size Teas Teas Teas Teas Title: Phone: (757)	1.		Y Information. Facility name: R MAPSOd a Industrial PACK - Page
Title: Phone: (757)		a.	Contract regrees:
Phone: (757)		D.	Title:
c. Mailing address: Street or P.O. Box: City or Town: Virginia State: Va Zip: 23,552 d. Facility location: Street or Route #: 17324			Phone: 657 back back
Street or P.O. Box: State: Vo Zip: 23,52 d. Facility location: Street or Route #: 17324 WASH-125 Hash 1000 County: City or Town: 17324 WASH-125 Hash 1000 County: County: 17324 WASH-125 Hash 1000 County: 17324 WASH-125 Hash 1000 County: County: 17324 WASH-125 Hash 1000 County: 17324 WASH-125 WASH-		0	
City or Town: 1734 LABA State: 4 Zip: 2345 d. Facility location: Street or Route #: 1734 LABA STATE: 4 Zip: 2345 e. Is this facility a Class I sludge management facility? Yes No mgd f. Facility design flow rate: 4 A STATE: 4 Mo mgd g. Total population served: 4 A Mo mgd h. Indicate the type of facility:		C.	Street or PO Box. 126 hand have Dr
d. Facility location: Street or Route #: 17324 WAShon for Highway County: HANGUAY City or Town: City or Total population served: City or Town: Contact person: Contact person: Contact person: City or Town: Contact person: Cont			City or Town: Viscon & State: Vo Zip: 23452
Street or Route #: 1732 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		d	Facility location:
County: HANGE City or Town: Oscall State: VA Zip: ZSC17 e. Is this facility a Class I sludge management facility? Yes No f. Facility design flow rate:		۵.	Street or Route #: 17324 WAShington Highwace
e. Is this facility a Class I sludge management facility? Yes No f. Facility design flow rate:			County: HANSOUR
e. Is this facility a Class I sludge management facility? Yes No f. Facility design flow rate:			City or Town: Desuall State: v4 Zip: 23647
f. Facility design flow rate: g. Total population served: h. Indicate the type of facility: Publicly owned treatment works (POTW) Privately owned treatment works Federally owned treatment works Blending or treatment operation Surface disposal site Other (describe): 2. Applicant Information. If the applicant is different from the above, provide the following: a. Applicant name: b. Mailing address: Street or P.O. Box: P.O. Box: Street or P.O. Box: P.O. Box: Contact person: Title: Phone: Pho		e.	Is this facility a Class I sludge management facility?YesNo
g. Total population served: Lindicate the type of facility: Eublicly owned treatment works (POTW) Privately owned treatment works Federally owned treatment works Blending or treatment operation Surface disposal site Other (describe): Applicant Information. If the applicant is different from the above, provide the following: a. Applicant name:			Facility design flow rate: mgd
Indicate the type of facility:		g.	Total population served:
Privately owned treatment works Federally owned treatment works Blending or treatment operation Surface disposal site Other (describe): 2. Applicant Information. If the applicant is different from the above, provide the following: a. Applicant name: b. Mailing address: Street or P.O. Box: City or Town: P.O. SOX 13 City or Town: Phone: Contact person: Title: Phone: Phone: State: Y4 Zip: 23047 C. Contact person: Title: Owner Operator e. Should correspondence regarding this permit be directed to the facility or the applicant? (Check one) facility Applicant 3. Permit Information. a. Facility's VPDES permit number (if applicable): VACC 834 List on this form or an attachment, all other federal, state or local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices: Permit Number: Type of Permit: Yack 920 Application to land or disposal of sewage sludge from the sewage sludge from th		100 m	
Federally owned treatment works Blending or treatment operation Surface disposal site Other (describe):			Publicly owned treatment works (POTW)
Blending or treatment operation Surface disposal site Other (describe): Other (describe): 2. Applicant Information. If the applicant is different from the above, provide the following: a. Applicant name: b. Mailing address: Street or P.O. Box: City or Town: Decual State: Y4 Zip: 23017 c. Contact person: Title: Phone: (\$ 5 1			✓ Privately owned treatment works
Surface disposal site Other (describe): 2. Applicant Information. If the applicant is different from the above, provide the following: a. Applicant name: b. Mailing address: Street or P.O. Box: City or Town: Contact person: Title: Phone: Phone: Applicant the owner or operator (or both) of this facility? owner Should correspondence regarding this permit be directed to the facility or the applicant? (Check one) facility permit Information. Facility's VPDES permit number (if applicable): List on this form or an attachment, all other federal, state or local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices: Permit Number: Type of Permit: Type of Sewage sludge from the storage of the sewage sludge from the sewage s			Federally owned treatment works
Other (describe): 2. Applicant Information. If the applicant is different from the above, provide the following: a. Applicant name: b. Mailing address: Street or P.O. Box: City or Town: C. Contact person: Title: Phone: (\$ - 1			Blending or treatment operation
2. Applicant Information. If the applicant is different from the above, provide the following: a. Applicant name: b. Mailing address: Street or P.O. Box: City or Town: Decard State: V4 Zip: 23017 c. Contact person: Title: Phone: (\$ 54 - 2088 d. Is the applicant the owner or operator (or both) of this facility? owner owner operator e. Should correspondence regarding this permit be directed to the facility or the applicant? (Check one) facility applicant 3. Permit Information. a. Facility's VPDES permit number (if applicable): List on this form or an attachment, all other federal, state or local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices: Permit Number: Type of Permit: 1			Surface disposal site
a. Applicant name: b. Mailing address: Street or P.O. Box: P.O. Box State: V4 Zip: 23047 c. Contact person: Title: Phone: (\$ 54 4 2 2 2 2 2 2 2 2			Other (describe):
Phone: (SF1 CT Sh - 288 d. Is the applicant the owner or operator (or both) of this facility?	2.	a.	Applicant name: 10 16 has) L. Cook
Phone: (SF1 CT Sh - 288 d. Is the applicant the owner or operator (or both) of this facility?			Street or P.O. Box: Y.O. SOX
Phone: (SF1 CT Sh - 288 d. Is the applicant the owner or operator (or both) of this facility?			City or Town: State: V4 Zip. 23317
Phone: (\$ \(\frac{\frac		c.	Contact person:
d. Is the applicant the owner or operator (or both) of this facility? owneroperator e. Should correspondence regarding this permit be directed to the facility or the applicant? (Check one) facilityapplicant 3. Permit Information. a. Facility's VPDES permit number (if applicable): VACC 6 8 3 4 b. List on this form or an attachment, all other federal, state or local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices: Permit Number: Type of Permit: Permit Number: Type of Permit:			Title:
d. Is the applicant the owner or operator (or both) of this facility? owneroperator e. Should correspondence regarding this permit be directed to the facility or the applicant? (Check one) facilityapplicant 3. Permit Information. a. Facility's VPDES permit number (if applicable): VACC 6 8 3 4 b. List on this form or an attachment, all other federal, state or local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices: Permit Number: Type of Permit: Permit Number: Type of Permit:			Phone: (\$64 994.2088
 owneroperator e. Should correspondence regarding this permit be directed to the facility or the applicant? (Check one)facilityapplicant 3. Permit Information. a. Facility's VPDES permit number (if applicable):		A	Is the applicant the owner or operator (or both) of this facility?
e. Should correspondence regarding this permit be directed to the facility or the applicant? (Check one)		u.	owner onerator
2. Permit Information. a. Facility's VPDES permit number (if applicable):		e.	Should correspondence regarding this permit be directed to the facility or the applicant? (Check one)
 Permit Information. a. Facility's VPDES permit number (if applicable): VA 66 8 3 4 b. List on this form or an attachment, all other federal, state or local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices: Permit Number: Type of Permit: 4685920 Permit Number: Type of Permit: Judian Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from the storage of the sewage sludge from the storage of the sewage sludge from the storage of the sewage sludge from the sewage sludge from the storage of the sewage sludge from t			facilityapplicant
a. Facility's VPDES permit number (if applicable): VACC 834 b. List on this form or an attachment, all other federal, state or local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices: Permit Number: Type of Permit: PERMIT Number:			
b. List on this form or an attachment, all other federal, state or local permits of construction approvals received or applied for that regulate this facility's sewage sludge management practices: Permit Number: Type of Permit: Section 1 Indian Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from the storage of the sewage sludge from the storage of the sewage sludge from the storage of the sewage sludge from the sewage sludge from the storage of the sewage sludge from	3.	Perm	it Information.
received or applied for that regulate this facility's sewage sludge management practices: Permit Number: Type of Permit: Permit Number: Type of Permit: Section Indian Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from the storage of the sewage sludge from the storage of the sewage sludge from the storage of the sewage sludge from the sewage sludge from the storage of the sewage sludge from the sew			Facility's VPDES permit number (if applicable): VASC 5 3 1
Permit Number: 1985 929 109		Ъ.	List on this form or an attachment, all other federal, state of local permits of construction approvals
Indian Country, Does any generation, treatment, storage, application to land or disposal of sewage sludge from the			
Indian Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from the			Permit Number: Type of Permit.
4. Indian Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from the facility occur in Indian Country?YesNo If yes, describe:			المراق ال
4. Indian Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from the facility occur in Indian Country?YesNo If yes, describe:			
	4.	India facili	an Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from this ity occur in Indian Country?YesNo If yes, describe:

FACI 5.	Tananahia Mar	2 have 24 1.2 b. Provide a topographic many shows the following inform	in or mans (or o	ther appropriate maps if	RMIT NUMBER: v A @@ a topographic map is mile beyond all property	68314
	boundaries of the a. Location stored to	facility: of all sewage sludge managemented or disposed.	gement facilities	s, including locations wh	ere sewage sludge is generated	
	b. Location the apple	n of all wells, springs, and o icant within 1/4 mile of the	property bounds	aries. ennamed	records or otherwise known to	
6.	will be employed treating sewage s	rovide a line drawing and/o during the term of the pern sludge, the destination(s) of on and vector attraction red	r a narrative de nit including all all liquids and s	scription that identifies a processes used for collec-	Il sewage sludge processes that ting, dewatering, storing, or and all methods used for	
7.	generation, treats If yes, provide th	mation. Are any operational ment, use or disposal the res e following for each contract	ponsibility of a etor (attach addi	contractor? Yesr tional pages if necessary	10	
	Mailing address:					
	Street or P.O. Bo	X:	State	· Zip:		
	D1 ()					
	Contractor's Fed	eral, State or Local Permit N	Number(s) appli	cable to this facility's sev	vage sludge:	
	If the contractor to be provided to	is responsible for the use and the applicant and the respe	d/or disposal of	the sewage sludge, provision of the applicant and the	ide a description of the service contractor(s).	
8.	for the pollutants	e which limits in sewage slu	dge have been e must be based o vears old.	stablished in 9 VAC 25-	ewage sludge monitoring data 31-10 et seq. for this facility's taken at least one month apart	
	POLLUTANT	CONCENTRATION (mg/kg dry weight)	SAMPLE DATE	ANALYTICAL METHOD	DETECTION LEVEL FOR ANALYSIS	
	Arsenic					
	Cadmium					
	Chromium					
	Copper					_
	Lead					_
	Mercury					_
	Molybdenum					_
	Nickel					_
	Selenium					_
	Zinc					
9.	vection A (to is an officer for purposes	of this certification	ion. Indicate which part	ration. Refer to the instructions of the application you have	S

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official tit	le STEVE	JOUES	PARRI	dent
Signature Sta	The Afra	Date	Signed Z-	2-10
Telephone number	1-757-	498.	4448	

Upon request of the department, you must submit any other information necessary to assess sewage sludge use or disposal practices at your facility or identify appropriate permitting requirements.

VPDES PERMIT NUMBER: ٧ A a 9 6 8314

FACILITY NAME: VPDES PERMIT NU SECTION B. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE

Complete this section if your facility generates sewage sludge or derives a material from sewage sludge

1.	Amou	nt Generated On Site.
	Total	dry metric tons per 365-day period generated at your facility:dry metric tons
_		nt Received from Off Site. If your facility receives sewage sludge from another facility for treatment, use or
2.	Amou	al, provide the following information for each facility from which sewage sludge is received. If you receive
	dispos	e sludge from more than one facility, attach additional pages as necessary.
	_	Facility name:
	a.	Contact Person:
	b.	
		Title:
		Phone ()
	C.	Mailing address:
		Street or P.O. Box:State:Zip:
		City or Town:State:Zip
	d.	Facility Address:
		(not P.O. Box) Total dry metric tons per 365-day period received from this facility: dry metric tons dry metric tons
	e.	Total dry metric tons per 365-day period received from this facility.
	f.	Describe, on this form or on another sheet of paper, any treatment processes known to occur at the off-site
		facility, including blending activities and treatment to reduce pathogens or vector attraction characteristics:
		·
3.	Treat	ment Provided at Your Facility.
	a.	Which class of pathogen reduction is achieved for the sewage sludge at your facility?
		Class A Class B Neither or unknown
	b.	Describe on this form or another sheet of paper, any treatment processes used at your facility to reduce
		pathogens in sewage sludge: \(\mathcal{A}\)
	c.	Which vector attraction reduction option is met for the sewage sludge at your facility?
	٠.	Ontion 1 (Minimum 38 percent reduction in volatile solids)
		Option 2 (Anaerobic process, with bench-scale demonstration)
		Option 3 (Aerobic process, with bench-scale demonstration)
		Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
		Option 5 (Aerobic processes plus raised temperature)
		Option 6 (Raise pH to 12 and retain at 11.5)
		Option 7 (75 percent solids with no unstabilized solids)
		Option 8 (90 percent solids with unstabilized solids)
		Option 8 (90 percent solids with unstabilized solids)
		None or unknown
	d.	Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce
		vector attraction properties of sewage sludge:
		1 1 . C
	e.	Describe, on this form or another sheet of paper, any other sewage sludge treatment activities, including
		blending, not identified in a - d above:
4.	Pren	aration of Sewage Sludge Meeting Ceiling and Pollutant Concentrations, Class A Pathogen Requirements and
••	One	of Vector Attraction Reduction Options 1-8 (EQ Sludge).
	(If so	Land to the second facility does not meet all of these criteria, skin Question 4.)
	a.	Total dry metric tons per 365-day period of sewage sludge subject to this section that is applied to the land:
	a.	MAC dry metric tons
	1_	Is sewage sludge subject to this section placed in bags or other containers for sale or give-away? N O
	b.	to someto starto sanjar to

FACILI	TY NAM	Yes No
5.	Sale or G (Complete question if a. b.	ive-Away in a Bag or Other Container for Application to the Land. A this question if you place sewage sludge in a bag or other container for sale or give-away prior to land application. Skip this sewage sludge is covered in Question 4.) Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility for sale or give-away for application to the land: Attach, with this application, a copy of all labels or notices that accompany the sewage sludge being sold or given away in a bag or other container for application to the land.
6.	(Complete not apply to Questions a. b.	this question if sewage sludge from your facility is sent to another facility that provides treatment or blending. This question does o sewage sludge sent directly to a land application or surface disposal site. Skip this question if the sewage sludge is covered in 4 or 5. If you send sewage sludge to more than one facility, attach additional sheets as necessary.) Receiving facility name: Facility contact: Title: Phone: () Mailing address: Street or P.O. Box: City or Town: Total dry metric tons per 365-day period of sewage sludge provided to receiving facility: List, on this form or an attachment, the receiving facility's VPDES permit number as well as the numbers of all other federal, state or local permits that regulate the receiving facility's sewage sludge use or disposal practices: Permit Number: Type of Permit:
	f.	Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your facility?YesNo Which class of pathogen reduction is achieved for the sewage sludge at the receiving facility? Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce pathogens in sewage sludge:
	g.	Does the receiving facility provide additional treatment to reduce vector attraction characteristics of the sewage sludge?YesNo Which vector attraction reduction option is met for the sewage sludge at the receiving facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) None unknown Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce vector attraction properties of sewage sludge:
	h.	Does the receiving facility provide any additional treatment or blending not identified in f or g above? YesNo If yes, describe, on this form or another sheet of paper, the treatment processes not identified in f or g above:
	i.	If you answered yes to f., g or h above, attach a copy of any information you provide to the receiving facility

VPDES PERMIT NUMBER: V A-○ · L < 5 17

TITY NAT	ME: VPDES PERMIT NUMBER! 40068
TENER I THE	to comply with the "notice" and necessary information" requirement of 9 VAC 23-31-330.G.
j	Does the receiving facility place sewage sludge from your facility in a bag or other container for sale or
	give-away for application to the land? Yes No
	If we provide a copy of all labels or notices that accompany the product being sold of given away.
k.	Will the coverge sludge be transported to the receiving facility in a truck-mounted watertight tank normally
	used for such purposes? Yes No. If no, provide description and specification on the venicle used to
	transport the sewage sludge to the receiving facility.
	Show the haul route(s) on a location map or briefly describe the haul route below and indicate the days of
	the week and the times of the day sewage sludge will be transported.
Land A	pplication of Bulk Sewage Sludge.
(Complet	e Question 7.a if sewage sludge from your facility is applied to the land, unless the sewage sludge is covered in Questions 4, 5 or 6;
complete	Question 7.b, c & d only if you are responsible for land application of sewage sludge.)
a.	Total dry metric tons per 365-day period of sewage sludge applied to all land application sites:dry
	metric tons
b.	Do you identify all land application sites in Section C of this application?YesNo
	If no, submit a copy of the Land Application Plan (LAP) with this application (LAP should be prepared in
	accordance with the instructions).
c.	Are any land application sites located in States other than Virginia?YesNo
	If we describe on this form or on another sheet of paper, how you notify the permitting authority for the
	States where the land application sites are located. Provide a copy of the notification.
d.	Attach a copy of any information you provide to the owner or lease holder of the land application sites to
	comply with the "notice and necessary" information requirement of 9 VAC 25-31-530 F and/or H
	(Examples may be obtained in Appendix IV).
	4 4 4
Surface	
(Comple	the Question 8 if sewage sludge from your facility is placed on a surface disposal site.)
a.	Total dry metric tons per 365-day period of sewage sludge from your facility placed on all surface disposal
	sites: dry metric tons
b.	Do you own or operate all surface disposal sites to which you send sewage sludge for disposal?
	YesNo
	If no, answer questions c - g for each surface disposal site that you do not own or operate. If you send
	sewage sludge to more than one surface disposal site, attach additional pages as necessary.
c.	Site name or number:
đ.	Contact person:
	Title:
	Phone: ()
	Contact is:Site OwnerSite operator
e.	Mailing address.
C.	Street or P.O. Box:
	Street or P.O. Box: City or Town: State: Zip: Zip: City or Town:
f.	Total dry metric tons per 365-day period of sewage sludge from your facility placed on this surface disposa
1.	site: dry metric tons
_	List, on this form or an attachment, the surface disposal site VPDES permit number as well as the numbers
g.	of all other federal, state or local permits that regulate the sewage sludge use or disposal practices at the
	surface disposal site: Permit Number: Type of Permit:
	Permit Number: Type of Permit:
	ration WA
	· · · · · · · · · · · · · · · · · · ·
Incine	ration. ete Question 9 if sewage sludge from your facility is fired in a sewage sludge incinerator.)

EACH	A DA VETTE	ME: VA 12 marscal VPDES PERMIT NUMBER: VAGOG SE
FACIL		Total dry metric tons per 365-day period of sewage sludge from your facility fired in a sewage sludge
	a.	dry metric tons
	1	Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired?
	b.	X7 AT.
		If no, answer questions c - g for each sewage sludge incinerator that you do not own or operate. If you send
		sewage sludge to more than one sewage sludge incinerator, attach additional pages as necessary.
		sewage sludge to more than one sewage sludge inclinitation, attach additional pages as necessary.
	C.	Incinerator name or number:
	d.	Contact person:
		Title:
		Phone: ()
		Contact is:Incinerator OwnerIncinerator Operator
	e.	Mailing address.
		Street or P.O. Box:
		City or Town: State: Zip:
	f.	Total dry metric tons per 365-day period of sewage sludge from your facility fired in this sewage sludge
		inciparator: dry metric tons
	g.	List on this form or an attachment the numbers of all other federal, state or local permits that regulate the
	0.	firing of sewage sludge at this incinerator:
		Permit Number: Type of Permit:
		I WALLACE TOWARD TO .
10.	Dienos	sal in a Municipal Solid Waste Landfill. NA
10.		to it is a state from your facility is placed on a municipal solid waste landfill. Provide the following information for
	(Compi	ete Question 10 il sewage studge from your facility is placed on a monte placed. If sewage sludge is placed on more than one unicipal solid waste landfill on which sewage sludge from your facility is placed. If sewage sludge is placed on more than one
	each m	pal solid waste landfill, attach additional pages as necessary.)
	a.	Landfill name:
	a. b.	Contact person:
	υ.	Title:
		Phone: ()
		Contact is:Landfill OwnerLandfill Operator
		Contact isLandin OwnerLandin Operator
	c.	Mailing address.
		Street or P.O. Box: City or Town: State: Zip:
		City or Town:State
	d.	Landfill location.
		Street or Route #:
		County: 7in:
		City or Town: State: Zip: Total dry metric tons per 365-day period of sewage sludge placed in this municipal solid waste landfill:
	e.	Total dry metric tons per 365-day period of sewage studge placed in this multiplat solld waste landing.
		dry metric tons
	f.	List, on this form or an attachment, the numbers of all federal, state or local permits that regulate the
		operation of this municipal solid waste landfill:
		Permit Number: Type of Permit:
	g.	Does sewage sludge meet applicable requirements in the Virginia Solid Waste Management Regulation, 9
	g.	VAC 20-80-10 et seq., concerning the quality of materials disposed in a municipal solid waste landfill?
		Ves No
	L	Does the municipal solid waste landfill comply with all applicable criteria set forth in the Virginia Solid
	h.	Waste Management Regulation, 9 VAC 20-80-10 et seq.?YesNo
		Waste Management Regulation, 9 VAC 20-30-10 ct seq.:
	i.	Will the venicle ded of other container used to transport sevinge strange to the management of the container used to transport sevinge strange to the management of the container used to transport sevinge strange to the management of the container used to transport sevinge strange to the management of the container used to transport sevinge strange to the container used to transport sevinge strange to the container used to transport sevinge strange to the container used to the con
		be watertight and covered? Yes No
		Show the haul route(s) on a location map or briefly describe the route below and indicate the days of the
		week and time of the day sewage sludge will be transported.

You provide the sewage sludge to another facility for treatment or blending (fill out B.6 instead).

Complete Section C for every site on which the sewage sludge that you reported in B.7 is land applied.

1.	Identi	fication of Land Application Site.
	a.	Site name or number:
	b.	Site location (Complete i and ii)
		i. Street or Route#:
		County: State: Zip:
		City or Town: State: Zip
		ii. Latitude: Longitude:
		Method of latitude/longitude determination
		USGS map Filed survey Other
	c.	Topographic map. Provide a topographic map (or other appropriate map if a topographic map is
		unavailable) that shows the site location.
2.	Owne	er Information.
	a.	Are you the owner of this land application site?YesNo
	b.	If no, provide the following information about the owner:
		Name:
		Cl. A. D.O. Dove
		City or Town: State: Zip:
		Phone: ()
		Thore. (
3.	Appl	ier Information:
	a.	Are you the person who applies, or who is responsible for application of, sewage studge to this failed
		application site? Yes No
	b.	If no, provide the following information for the person who applies the sewage sludge:
		Name:
		Street or P.O. Box:
		Street or P.O. Box:
		DI ()
	c.	List, on this form or an attachment, the numbers of all federal, state or local permits that regulate the person
	•	who applies sewage sludge to this land application site:
		Permit Number: Type of Permit:
		A VAALAN TO THE TOTAL TOTAL TO THE TOTAL TOT
4.	Site	Type. Identify the type of land application site from among the following:
	A	Agricultural landReclamation siteForest
	P	Public contact siteOther. Describe
5.	Vect	tor Attraction Reduction.
	Are	any vector attraction reduction requirements met when sewage sludge is applied to the land application site?
	-	YesNo If yes, answer a and b.
	a.	Indicate which vector attraction reduction option is met:
		Option 9 (Injection below land surface)
		Option 10 (Incorporation into soil within 6 hours)
	b.	Describe on this form or on another sheet of paper, any treatment processes used at the land application ste
		to reduce the vector attraction properties of sewage sludge:

VPDES PERMIT NUMBER: 2 006834 FACILITY NAME: DHARGODY Cumulative Loadings and Remaining Allotments. (Complete Question 6 only if the sewage sludge applied to this site since July 20, 1993 is subject to the cumulative pollutant loading rates NA (CPLRs) - see instructions.) Have you contacted DEQ or the permitting authority in the state where the sewage sludge subject to the CPLRs will be applied to ascertain whether bulk sewage sludge subject to the CPLRs has been applied to this site since July 20, 1993? __Yes __No If no, sewage sludge subject to the CPLRs may not be applied to this site. If yes, provide the following information: Permitting authority: Contact person:___ Phone:()_ Based upon this inquiry, has bulk sewage sludge subject to the CPLRs been applied to this site since July 20, b. 1993? __Yes __No If no, skip the rest of Question 6. If yes, answer questions c - e. (one hectare = 2.471 acres) Site size, in hectares: C. Provide the following information for every facility other than yours that is sending or has sent sewage d. sludge subject to the CPLRs to this site since July 20, 1993. If more than one such facility sends sewage sludge to this site, attach additional pages as necessary. Facility name: Facility contact: Title: Phone: () Mailing address. Street or P.O. Box:___ State: Zip: City or Town:___ Provide the total loading and allotment remaining, in kg/hectare, for each of the following pollutants: e. Allotment remaining Cumulative loading Arsenic Cadmium Copper Lead Mercury Nickel Selenium Zinc Complete Questions 7-12 below only if you apply sewage sludge, or you are responsible for land application of sewage sludge. Information required by these questions may be prepared as attachments to this form. Skip the following questions if you contract land application to someone else (as indicated under Section A.7) who is responsible for the operation. Sludge Characterization. Use the table below or a separate attachment, provide at least one analysis for each parameter. PCBs (mg/kg) pH (S. U.) Percent Solids (%) Ammonium Nitrogen (mg/kg) Nitrate Nitrogen (mg/kg) Total Kjeldahl Nitrogen (mg/kg)

Lime treated sludge (10% or more lime by dry weight) should be analyzed for percent CaCO₃.

Total Phosphorus (mg/kg) Total Potassium (mg/kg) Alkalinity as CaCO₃* (mg/kg)

7.

VODEC	DEDMIT	NUMBER:	~	9006	٤	3	16
VPULO	I BURNIATER	IA OTATIONSIA.		OWNERS OF THE OWNER WATER	-		

EL CALL	BOTTATATATATATATATATATATATATATATATATATAT	VPDES PERMIT NUMBER: VPDES PERMIT NUMBER:
	~ D	equirements.
8.		to the standard facilities must provide an estimated annual sludge balance on a monthly basis
	Existing	and proposed studge storage lacinities intus provide an estimator of the proposed studge storage lacinities intus provide an estimator of the proposed studge storage lacinities intus provide an estimator of the proposed studge storage lacinities intus provide an estimator of the proposed studge storage lacinities intus provide an estimator of the proposed studge storage lacinities intus provide an estimator of the proposed studge storage lacinities intus provide an estimator of the proposed studge storage lacinities intus provide an estimator of the proposed studge storage lacinities intus provide an estimator of the proposed studge storage lacinities intus provide an estimator of the proposed studge storage lacinities and the provide an estimator of the provide and the p
	incorpora	ns justifying storage requirements.
	calculatio	sludge storage facilities must also provide the following information:
	Proposed	A sludge storage site layout on a 7.5 minute topographic quadrangle or other appropriate scaled map to
	a.	A sludge storage site layout on a 7.3 influte topographic quadrange of the surrounding landscape to a distance of 0.25 mile. Clearly
	5	show the following topographic leatures of the surrounding fantascape to a disease
		mark the property line.
		Water wells, abandoned or operating
		2) Surface waters
		3) Springs
		4) Public water supply(s)
		5) Sinkholes
		Underground and/or surface mines
		7) Mine pool (or other) surface water discharge points
		Mining spoil piles and mine dumps
		9) Quarry(s)
		10) Sand and gravel pits
		11) Gas and oil wells
		12) Diversion ditch(s)
		13) Agricultural drainage ditch(s)
		14) Occupied dwellings, including industrial and commercial establishments
		15) Landfills or dumps
		16) Other unlined impoundments
		17) Septic tanks and drainfields
		18) Injection wells
		19) Rock outcrops
	b.	A topographic map of sufficient detail to clearly show the following information:
		Maximum and minimum percent slopes
		2) Depressions on the site that may collect water
		3) Drainageways that may attribute to rainfall run-on to or runoff from this site
		4) Portions of the site (if any) which are located with the 100-year floodplain and how the storage
		facility will be protected from flooding
	C.	Data and specifications for the storage facility lining material.
	d.	Plan and cross-sectional views of the storage facility.
	e.	Depth from the bottom of the storage facility to the seasonal high water table and separation distance to the
		permanent water table.
		the land area requirements for land application of sewage
9.	Land A	rea Requirements. Provide calculations justifying the land area requirements for land application of sewage
	sludge t	aking into consideration average soil productivity group, crop(s) to be grown and most limiting factor(s) of
	the sewa	aking into consideration average son productivity graph, Calcium Carbonate Equivalence (CCE), and metal age sludge, specifically Plant Available Nitrogen (PAN), Calcium Carbonate Equivalence (CCE), and metal loadings to demonstrate the
	loading	age studge, specifically Flant Avanable Flantogen (Flant), Selate PAN, CCE, and metal loadings to demonstrate the s (CPLR sewage sludge only), where applicable. Relate PAN, CCE, and metal loadings to demonstrate the
	most lin	niting factor for land application.
		1 Annual Course Studge Application Agreement Form
10.	Landov	oner Agreement Forms. Provide a properly completed Sewage Sludge Application Agreement Form
	(attache	ad) for each landowner if sewage sludge is to be applied onto land not owned by the applicant.
11.	Ground	Water Monitoring.
	Are any	ground water monitoring data available for this land application site?YesNo
	If yes, s	ground water monitoring data available for this bermit application. Also submit a written description of submit the ground water monitoring data with this permit application. Also submit a written description of submit the ground water monitoring procedures used to obtain
		l locations, approximate depth to ground water, and the ground water monitoring procedures used to obtain
	these da	ata.
12.		application Site Information. te Items a-d for sites receiving infrequent application - land application of sewage sludge up to the agronomic rate at a frequency of the strength of sewage sludge in excess of 70% the
	(Comple	te Items a-d for sites receiving infrequent application - land application of sewage studge up to the agreement application of sewage studge in excess of 70% the 3 year period; complete Items a-h for sites receiving frequent application - land application of sewage sludge in excess of 70% the
	once in a	3 year period; complete items a-n for sites receiving in equal appropriate a period; it rate at a frequency greater than once in a 3 year period)
	agi onon	

VPDES PERMIT NUMBER: VAOOSSIY

- a. Provide a general location map for each county which clearly indicates the location of all the land application sites.
- b. For each land application site provide a site plan of sufficient detail to clearly show the concerned landscape features and associated buffer zones (See instructions). Provide a legend for each landscape feature and the net acreage for each field taking into account the proposed buffer zones.
- c. In order to ensure that land application of bulk sewage sludge will not impact federally listed threatened or endangered species or federally designated critical habitat, the applicant must notify the field office of the U. S. Department of the Interior, Fish and Wildlife Service (FWS), by a letter, the proposed land application activities with the identification of the land application sites. The address and phone number of FWS are provided below.

U. S. Fish and Wildlife Service Ecological Services 6669 Short Lane Gloucester, VA 23061 TEL: (804) 693-6694

Provide a copy of the notification letter with this application form.

- d. Provide a soil survey map, preferably photographically based, with the field boundaries clearly marked. (A USDA-SCS soil survey map should be provided, if available.)
 Provide a detailed legend for each soil survey map which uses accepted USDA-SCS descriptions of the typifying pedon for each soil series (soil type). Complex associations may be described as a range of characteristics. Soil descriptions shall include as a minimum the following information.
 - 1) Soil symbol
 - 2) Soil series, textural phase and slope range
 - 3) Depth to seasonal high water table
 - 4) Depth to bedrock
 - 5) Estimated soil productivity group (for the proposed crop rotation)

Item e - h are required for sites receiving frequent application of sewage sludge

- e. In order to verify the information provided in item d, characterize the soil at each land application site.

 Representative soil borings or test pits to a depth of five feet or to bedrock if shallower, are to be coordinated for the typifying pedon of each soil series (soil type). Soil descriptions shall include as a minimum the following information:
 - 1). Soil symbol
 - 2). Soil series, textural phase and slope range
 - 3). Depth to seasonal high water table
 - 4). Depth to bedrock
 - 5). Estimated soil productivity group (for the proposed crop rotation)

	NA	VPDES PERMIT NUMBER:
FACILITY NAME:	1 C 1 Fold weigh	
 f. Collect and analyze soil 	samples from each field, weigh	nted to best represent each of the soil borings
performed for Item e. U	Jsing the table below or a separa	ate attachment, provide at least one analysis per
sample for each of the f	following parameters.	
Soil Organic N	Matter (%)	
Soil pH (std. u	nits)	
Cation Exchar	nge Capacity (meq/100g)	- Andrews
Total Nitroger	n (ppm)	Angle and the second second
Organic Nitro	gen (ppm)	
Ammonia Nita	rogen (ppm)	
Nitrate Nitrog		
	sphorus (ppm)	
	Potassium (mg/100g)	and the constraint of the cons
	Sodium (mg/100g)	
	Calcium (mg/100g)	
Exchangeable	Magnesium (mg/100g)	and the second second
Arsenic (ppm)) _	
Cadmium (pp	m)	Control of the Contro
Copper (ppm)	_	and the second s
Lead (ppm)	_	
Mercury (ppn	1) _	
Molybdenum	(ppm)	

- Relate the crop nutrient needs to anticipated yields, soil productivity rating and the various fertilizer or nutrient sources from sludge and chemical fertilizers. Describe any specialized agronomic management practices which may be required as a result of high soil pH. If the sludge is expected to possess an unusually high CCE or other unusual properties, provide a description of any plant tissue testing, supplemental fertilization or intensive agronomic management practices which may be necessary.
- h. Using a narrative format and referencing any related charts, describe the proposed cropping system. Show how the crop rotation and management will be coordinated with the design of the land application system. Include any supplemental fertilization program, soil testing and the coordination of tillage practices, planting and harvesting schedules and timing of land application.

Nickel (ppm)
Selenium (ppm)
Zinc (ppm)
Manganese (ppm)
Particle Size Analysis or
USDA Textural Estimate (%)

D. CHI W	NAN TO THE REPLY OF THE PARTY O	N	A	VPDES PERMIT NUMBER	R:
FACILI	TY NAME:	MONTH OF THE PARTY	SEWAGE SLUDGE APPI	LICATION AGREEMENT	
This sew	age sludge application	n agr	eement is made on this date	between wner", and,	referred to
here as t	he "Permittee".		_, 10201110		
			("landowner's land")	attached as Exhibit A and designated there as Permittee agrees to apply and landowner agrees	to comply
authoriz	ed by VPDES permit	numl	per wi	age sludge on landowner's land in amounts and in a held by the Permittee.	
3:4: -	ning to the property. ealth, the following s	MAG	reover landowner acknowle	ewage sludge will be beneficial in providing ferti- edges having been expressly advised that, in order to when sewage sludge receives Class B treatment	i to protect
1.	Food crops with har not be harvested for	vested 14 m	l parts that touch the sewag onths after application of se	e sludge/soil mixture and are totally above the law wage sludge;	nd surface shall
2.	Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of sewage sludge when the sewage sludge remains on the land surface for four months or longer prior to incorporation into the soil;				
3.	Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of sewage sludge when the sewage sludge remains on the land surface for less than four months prior to incorporation into the soil;				
4.	Food crops, feed cro	ps, aı	nd fiber crops shall not be h	arvested for 30 days after application of sewage s	sludge;
5.	Animals shall not b	e graz	ed on the land for 30 days	after application of sewage sludge;	
6.	Turf grown on land where sewage sludge is applied shall not be harvested for one year after application of the sewage sludge when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the State Water Control Board;				
7.	Public access to lan sewage sludge;	d witl	n a high potential for public	exposure shall be restricted for one year after ap	plication of
8.	Public access to land with a low potential for public exposure shall be restricted for 30 days after application of sewage sludge.				
9.	Tobacco, because it years following the pounds/acre).	has t appli	been shown to accumulate c cation of sewage sludge bor	admium, should not be grown on landowner's lar ne cadmium equal to or exceeding 0.5 kilograms	nd for three hectare (0.45
specific	tee agrees to notify la cally prior to any part notice to the address	icular	application to landowner's	of the proposed schedule for sewage sludge appland. This agreement may be terminated by eith	ter party upon
	Landowner:			Permittee:	NA
	Signature			Signature	
	Mailing A	ddres	SS	Mailing Address	

	rmns / b.T.A.Th.	VPDES PERMIT NUMBER:			
FACIL	ITY NAN	SECTION D. SURFACE DISPOSAL			
	17 N	the surface disposal site. Provide the information for each active sewage sludge unit.			
Complete	this section	n only if you own or operate a surface disposal site. Provide the information for each active sewage sludge unit.			
1.	Informa	tion on Active Sewage Sludge Units.			
	a.	Unit name or number:			
	b.	Unit location			
		i. Street or Route#:			
		County: City or Town: Latitude: Longitude:			
		City of Town: State Zip			
		ii. Latitude: Longitude: Longitude: Method of latitude/longitude determination			
		LIGGS man Filed survey Other			
		Topographic map. Provide a topographic map (or other appropriate map if a topographic map is			
	c.	amove itable) that shows the site location			
	d.	Total dry metric tons of sewage sludge placed on the active sewage sludge unit per 365-day period:			
	u.	dry metric tons.			
	e.	Total dry metric tons of sewage sludge placed on the active sewage sludge unit over the life of the unit:			
		dry metric tons.			
	f.	Does the active sewage sludge unit have a liner with a minimum hydraulic conductivity of			
		1 x 10 ⁻⁷ cm/sec?YesNo If yes, describe the liner or attach a description.			
		Does the active sewage sludge unit have a leachate collection system?YesNo			
	g.	To the leachest collection system or attach a description. Also, describe the include used for			
		leachate disposal and provide the numbers of any federal, state or local permits for leachate disposal:			
		leachate disposal and provide die namore et al.,			
	h.	If you answered no to either f or g, answer the following:			
		Is the boundary of the active sewage sludge unit less than 150 meters from the property line of the surface			
		ligrand site? Ves No If yes provide the actual distance in meters:			
	i.	Remaining capacity of active sewage sludge unit, in dry metric tons: (MM/DD/VYYY)			
		Anticipated closure date for active sewage sludge unit, if known: (MM/DD/YYYY)			
		Provide with this application a copy of any closure plan developed for this active sewage sludge unit.			
2	G	- Chiles from Other Facilities			
2.	T	wage Sludge from Other Facilities. sewage sludge sent to this active sewage sludge unit from any facilities other than yours?YesNo			
	If yes, provide the following information for each such facility, attach additional sheets as necessary.				
	a.	Facility name:			
	b.	Facility contact:			
	0.	Title:			
		Phone: ()			
	c.	Mailing address.			
		Street or P.O. Box:			
		City or Town: State: Zip: State as the numbers of all other			
	d.	List, on this form or an attachment, the facility's VPDES permit number as well as the numbers of all other than the facility's vPDES permit number as well as the numbers of all other than the facility of course sludge management practices:			
		federal, state or local permits that regulate the facility's sewage sludge management practices: Type of Permit:			
		Permit Number: Type of Permit:			
	9	Which class of pathogen reduction is achieved before sewage sludge leaves the other facility?			
	e.	Class R Neither or unknown			
	f.	Describe on this form or on another sheet of paper, any treatment processes used at the other facility to			
	1.	reduce pathogens in sewage sludge:			
		10ddo pun-15			

VPDES PERMIT NUMBER: FACILITY NAME: Which vector attraction reduction option is achieved before sewage sludge leaves the other facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) ___ Option 4 (Specific oxygen uptake rate for aerobically digested sludge) ___Option 5 (Aerobic processes plus raised temperature) ___ Option 6 (Raise pH to 12 and retain at 11.5) ___ Option 7 (75 percent solids with no unstabilized solids) ___ Option 8 (90 percent solids with unstabilized solids) _ None or unknown Describe, on this form or another sheet of paper, any treatment processes used at the other facility to reduce h. vector attraction properties of sewage sludge:___ Describe, on this form or another sheet of paper, any other sewage sludge treatment activities performed by i. the other facility that are not identified in e - h above:_ Vector Attraction Reduction. 3. Which vector attraction reduction option, if any, is met when sewage sludge is placed on this active sewage sludge unit? ___ Option 9 (Injection below land surface) Option 10 (Incorporation into soil within 6 hours) Option 11 (Covering active sewage sludge unit daily) Describe, on this form or another sheet of paper, any treatment processes used at the active sewage sludge b. unit to reduce vector attraction properties of sewage sludge: __ Ground Water Monitoring. 4. Is ground water monitoring currently conducted at this active sewage sludge unit or are ground water monitoring data otherwise available for this active sewage sludge unit? ___Yes ___No If yes, provide a copy of available ground water monitoring data. Also provide a written description of the well locations, the approximate depth to ground water, and the ground water monitoring procedures used to obtain these data. Has a ground water monitoring program been prepared for this active sewage sludge unit? b. Yes __No If yes, submit a copy of the ground water monitoring program with this application. Have you obtained a certification from a qualified ground water scientist that the aquifer below the active C. sewage sludge unit has not been contaminated? ___Yes ___No If yes, submit a copy of the certification with this application. Site-Specific Limits. 5. Are you seeking site-specific pollutant limits for the sewage sludge placed on the active sewage sludge unit? Yes __No If yes, submit information to support the request for site-specific pollutant limits with this application.